

COMBO PRE-AMP CONNECTOR KIT 7875

INSTALLATION INSTRUCTIONS

FOR USE WITH: LESLIE Speaker Models 145, 147, 147RV, 247, 247RV
One or Two Combo-type Instruments

INTRODUCTION

The Combo Pre-amp allows a combo organ or guitar to play with LESLIE Speaker Models 145, 147, and 147RV. Other single-channel LESLIE Speakers will also work, but not as satisfactorily. The pre-amp can handle a single-channel combo organ and a guitar at the same time, or a combo organ with two output signals. The pre-amp has two input sockets; each input has its own volume control. The toe switch in the center of the foot pad controls the tremolo speed (fast or slow) of the LESLIE Speaker.

KIT CONTENTS

020875 Combo Pre-amp, 117-V, 50/60 Hz
[022624 Combo Pre-amp, 220/240-V]
017277 Cable Assembly, 6-conductor (30 ft)
053025 Oiler

INSTALLATION

117-VOLT COMBO PRE-AMP
(part number 020875)

— CAUTION —

Due to the presence of electrical potential and the danger of moving mechanical parts, installation procedures or adjustments requiring work inside the LESLIE speaker cabinet or the organ console should be performed ONLY BY a service man authorized by the dealer or factory to perform such work.

(NOTE: Locate the pre-amp where the musician can easily reach it with his foot.)

1. Connect the input cable from the instrument to INPUT 1 or INPUT 2.
2. Prepare the LESLIE Speaker as described in its own manual.
3. Plug the cable from the LESLIE Speaker into the SPEAKER socket on the combo pre-amp.
4. Connect the line cord to an AC outlet.
5. Push the POWER on-off switch until the pilot lamp lights.
6. If the TREMOLO FAST light is not on, push the toe switch in the center of the foot pad.
7. At the LESLIE Speaker amplifier set the console load resistor switch to the OPEN position (see speaker manual).

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8. Set the volume control for each input channel as follows:
   a. Set the volume at the LESLIE Speaker amplifier to position 4.
   b. Set the volume at the combo pre-amp by sounding a full chord and turning the volume control up until distortion occurs; then back off slightly until distortion disappears.
   c. Turn up the volume of the Speaker until distortion occurs; then back off slightly.
9. For slower tremolo effect, push and release the toe switch. The TREMOLO FAST light should go off.

220/240-VOLT COMBO PRE-AMP
(part number 022624)

— *CAUTION* —

Due to the presence of electrical potential and the danger of moving mechanical parts, installation procedures or adjustments requiring work inside the LESLIE speaker cabinet or the organ console should be performed ONLY BY a service man authorized by the dealer or factory to perform such work.

The 220/240-volt Combo Pre-amp is factory-wired to operate on 240-volt lines. Also, the autotransformer in the pre-amp is factory-wired to power 147-type speakers which use 117-volt motor control relays. (See figure 1.)

Converting the pre-amp for use with 220-volt lines is easily accomplished; merely disconnect the gray circuit breaker wire from the 240-V terminal in the pre-amp and connect it to the 220-V terminal.

When using this Combo Pre-amp with a model 125, 225, or 147 using a 220/240-volt motor control relay the pre-amp must be rewired. Perform the following steps:

1. Make certain that the gray circuit breaker wire is soldered to the terminal which matches the existing line voltage.

2. Solder the ORANGE #2 wire, which comes from the pre-amp, to the same terminal as the gray wire.

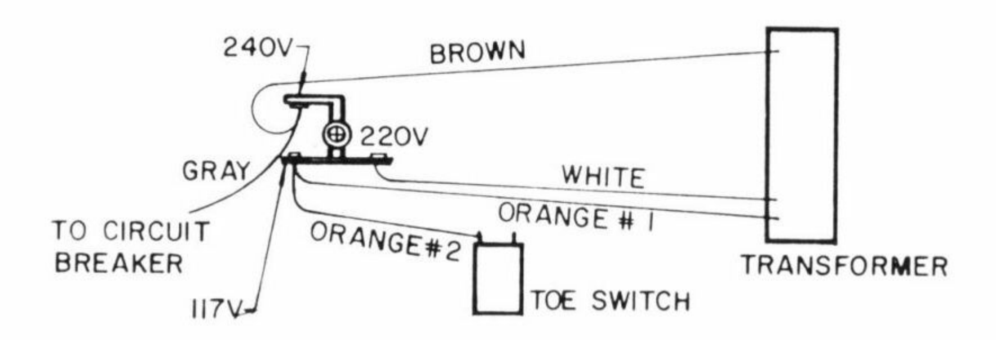
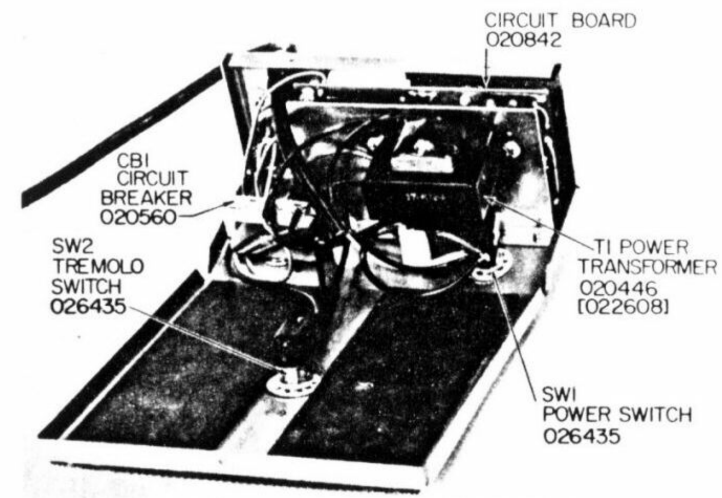


Figure 1. Factory Wiring on 220/240 Model



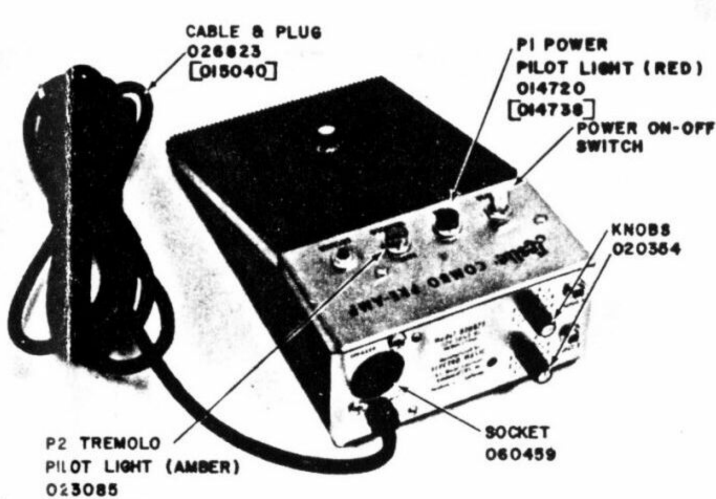
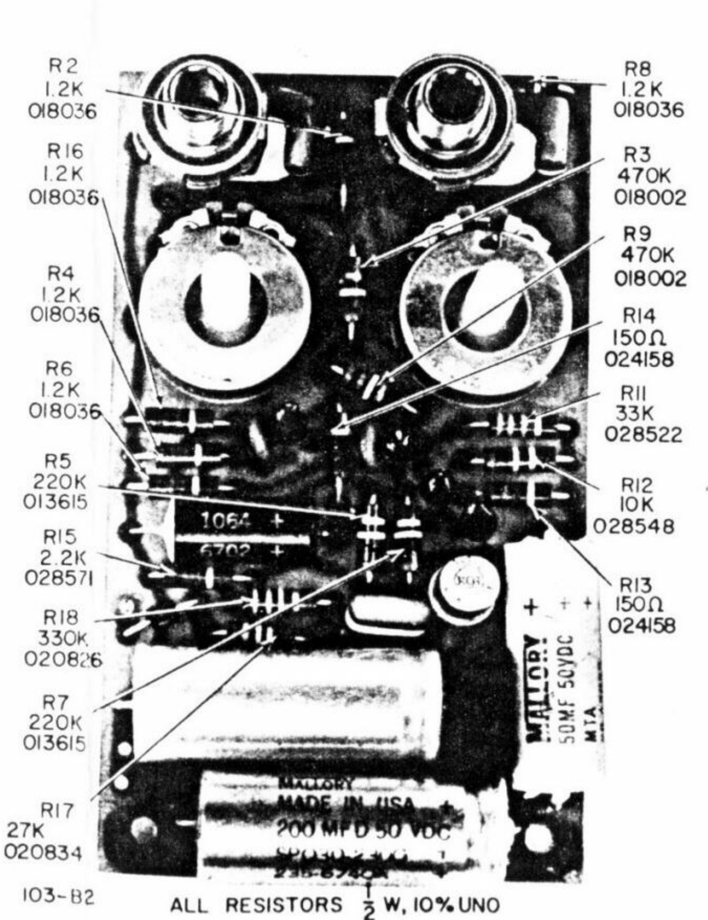


Figure 2. Combo Pre-amp 020875
[022624] Parts Location



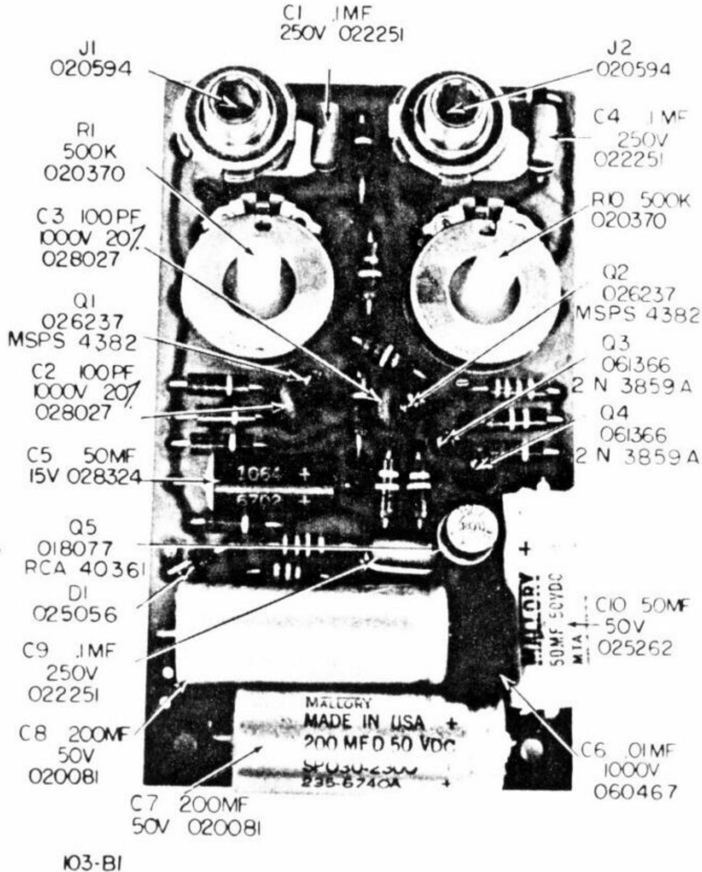


Figure 3. Circuit Board 020842
Parts Location

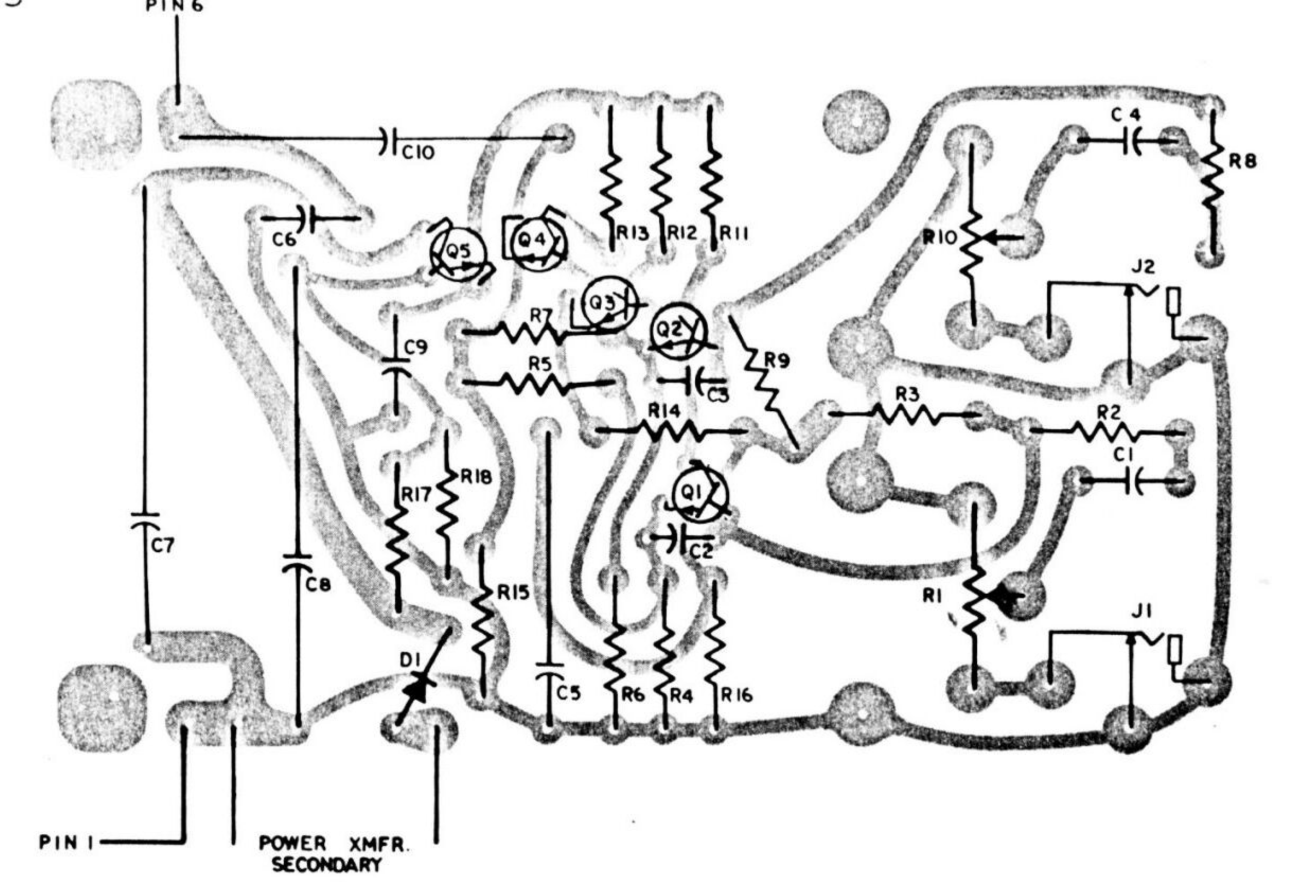


Figure 4. Circuit Board 020842 Layout (View From Foil Side)

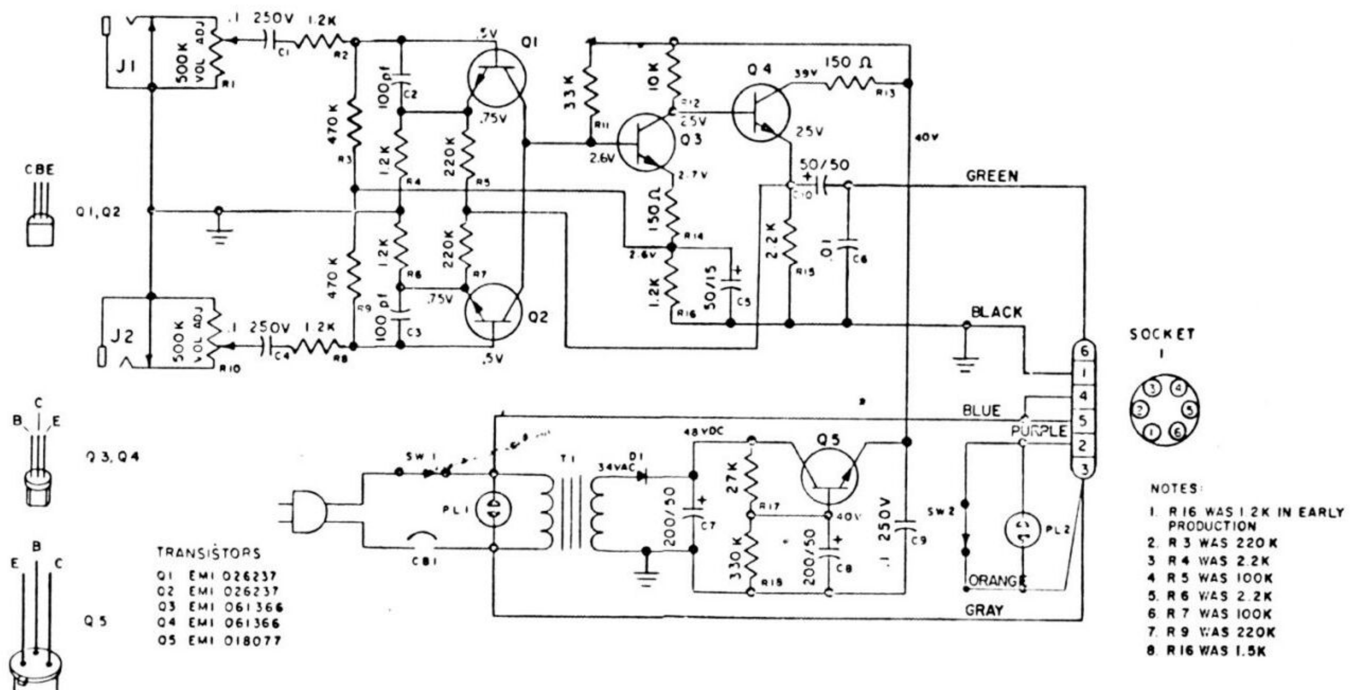


Figure 5. Combo Pre-amp 020875 Schematic

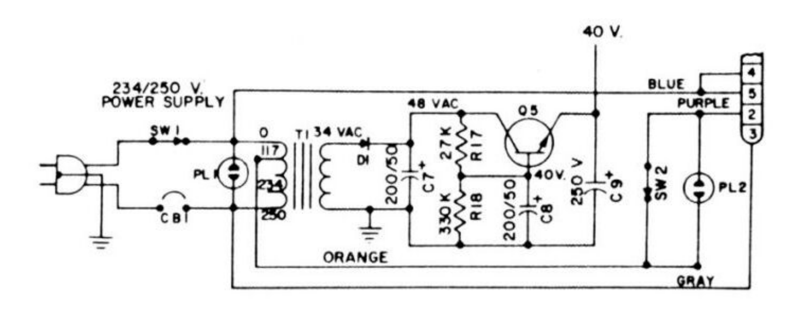


Figure 6. Combo Pre-amp 022624 Schematic